

CLAIMS

1. A protein defined in the following (A) or (B):

(A) a protein which has at least the amino acid sequence comprising amino acids 23 to 425 of SEQ ID NO: 16;

(B) a protein which has at least the amino acid sequence comprising amino acids 23 to 425 of SEQ ID NO: 16 including substitution, deletion, insertion or addition of 1 to 20 amino acid residues.

2. A DNA encoding a protein defined in the following (A) or (B):

(A) a protein which has at least the amino acid sequence comprising amino acids 23 to 425 of SEQ ID NO: 16;

(B) a protein which has at least the amino acid sequence comprising amino acids 23 to 425 of SEQ ID NO: 16 including substitution, deletion, insertion or addition of 1 to 20 amino acid residues.

3. The DNA according to claim 2, wherein the DNA is defined in the following (a) or (b):

(a) a DNA comprising the nucleotide sequence consisting of nucleotides 187 to 1398 of SEQ ID NO: 15;

(b) a DNA which is hybridizable with the nucleotide sequence consisting of nucleotides 187 to 1398 of SEQ ID NO: 15 under stringent conditions.

4. The DNA according to claim 3, further comprising the nucleotide sequence consisting of nucleotides 121 to 187 of SEQ ID NO: 15.

5. A recombinant vector comprising the DNA according to any one of claims 2 to 4.

6. A transformant transformed with the DNA according to any one of claims 2 to 4 or the recombinant

vector according to claim 5.

7. A method of producing a glucose dehydrogenase β subunit, comprising culturing the transformant according to claim 6 to produce a glucose dehydrogenase β subunit as an expression product of the DNA, and collecting the produced β subunit.

8. The DNA according to claim 3 or 4, further comprising the nucleotide sequence encoding an α subunit and a γ subunit of glucose dehydrogenase of *Burkholderia cepacia*.

9. A recombinant vector comprising the DNA according to claim 8.

10. A transformant transformed with the DNA according to claim 8 or the recombinant vector according to claim 9.

11. A method of producing a glucose dehydrogenase complex, comprising culturing the transformant according to claim 10 to produce a glucose dehydrogenase complex as an expression product of the DNA, and collecting the produced complex.